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ABSTRACT

This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1971. The data refer to all research doctorates earned during the period July 1, 1970 through June 30, 1971, but they do not include professional degrees such as the M.D., D.D.S., and D.V.M. The document is composed primarily of 4 tables that present the data by number of degrees awarded, field of study, subfield of study, source of financial support, and state. (HS)

ED 062927

NATIONAL RESEARCH COUNCIL

Summary Report 1971 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES

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Summary Report 1971 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES

Prepared in the
Manpower Studies Branch

Office of Scientific Personnel
National Research Council
Washington, D.C.

OSP-MS-6
APRIL 1972

This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1971. The Survey is conducted annually by the Office of Scientific Personnel (OSP) of the National Research Council. Questionnaire forms, distributed with the cooperation of the Graduate Deans, are filled out by the graduates as they complete all requirements for their doctoral degrees. The data in this report refer to all research doctorates earned during the period July 1, 1970 to June 30, 1971, but they do not include professional degrees such as the MD, DDS, and DVM.

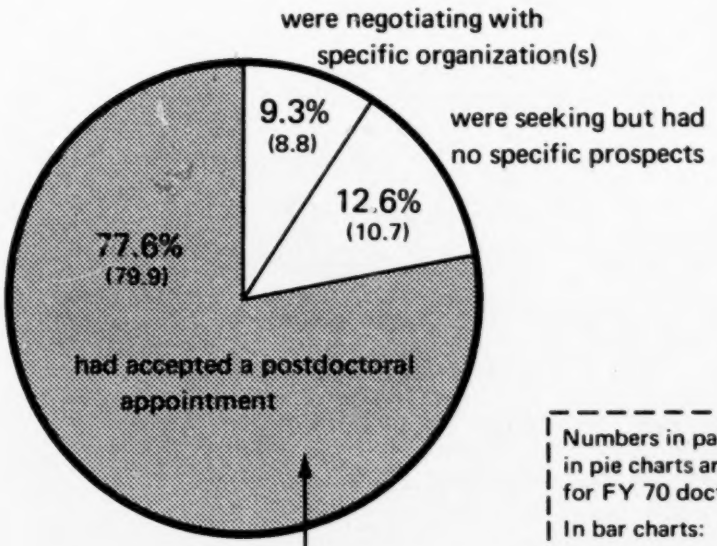
This is the fifth in a series of yearly summaries of data from the Survey of Earned Doctorates. The OSP publishes data gathered during a given fiscal year in the following fiscal year. The statistics thus made available may be used to update some of those in the book, Doctorate Recipients from United States Universities 1958-1966 (NAS publication 1489).

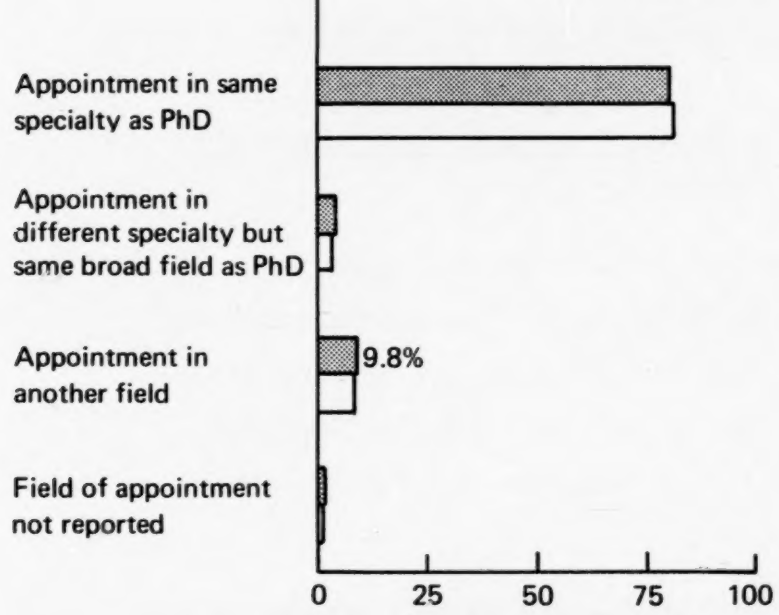
The distribution of the Survey of Earned Doctorates questionnaire, the maintenance of the resulting data file, and the publication of this report are supported jointly by the National Science Foundation, the United States Office of Education, the National Institutes of Health, and the National Endowment for the Humanities. The OSP wishes to express its appreciation to these agencies for their assistance.

The OSP is concerned with programs that strengthen higher education and develop better understanding of the educational process. It is hoped that prompt reporting of these data to educational, governmental, and professional agencies will facilitate planning in higher education. Suggestions for improvement of the content or format of the report will be welcomed. Such communications may be directed to the Office of Scientific Personnel, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

POSTGRADUATION PLANS OF 31,772* DOCTORATE RECIPIENTS OF FY 1971

4,791 (15.1%) PLANNED TO TAKE A POSTDOCTORAL STUDY APPOINTMENT

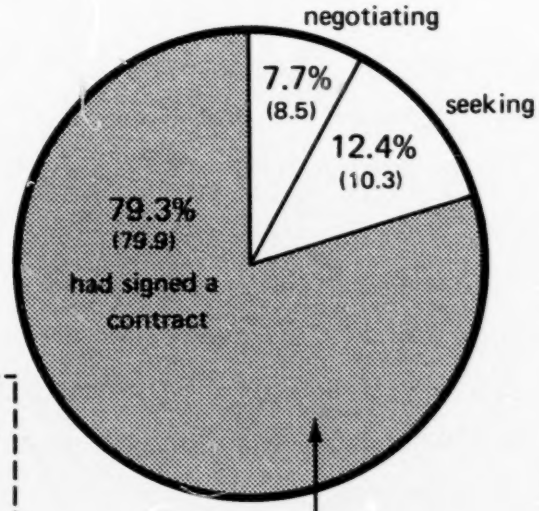




9.8% of the FY 1971 doctorate recipients who accepted a postdoctoral appointment took it in a field other than that of their doctorate. By field, the percentage of doctorates changing field was:

Arts and humanities	20.2%
Educators	19.0
Agricultural scientists	15.7
Chemists	13.6
Social scientists	11.9
Psychologists	9.9
Engineers	8.5
Mathematicians	7.9
Bioscientists	7.5
Medical scientists	7.5
Physicists and astronomers	7.1
Earth scientists	3.6

25,019 (78.7%) PLANNED EMPLOYMENT



Numbers in parentheses in pie charts are percentages for FY 70 doctorates.

In bar charts:

FY 1971 ▒ FY 1970 □

12.2% of the FY 1971 doctorate recipients who signed a contract with an employer were being employed in a field other than that of their doctorate. By field, the percentage of doctorates changing field was:

Agricultural scientists	25.8%
Physicists and astronomers	20.2
Educators	16.5
Bioscientists	15.3
Medical scientists	13.7
Social scientists	12.6
Earth scientists	12.5
Professional fields	10.6
Engineers	10.3
Chemists	9.0
Psychologists	7.1
Mathematicians	6.4
Arts and humanities	5.9

*1,962 doctorate recipients did not report their plans.

POSTGRADUATION PLANS OF FY 1971 DOCTORATES

The data presented to the left were obtained from the questionnaire (see page 12) filled out by doctorate recipients near the time of the award of their degrees. Over three quarters furnish the information in either the same month or in the three months before or after the month of award. The principal graduation months of the research doctorates of fiscal year 1971 were August-September 1970 (23.8%), December 1970-January 1971 (18.3%) and May-June 1971 (41.7%). The postgraduation plans reported by these doctorates are therefore roughly applicable to the 17-month employment period extending from May 1970 to September 1971.

The graphic presentation divides the FY 1971 doctorates into two groups: the 15.1% who planned a postdoctoral study appointment and the 78.7% who planned employment. The remaining doctorates (6.2%) did not report post-graduation plans.

The percentage of doctorates taking a postdoctoral study appointment (15.1%) was slightly higher than the 14.5% in FY 1970 and the FY 1969 percentage of 13.9%. Whether planning postdoctoral study or employment, the percentage of doctorates who had no specific prospects at the time they reported was about the same, 12.6% and 12.4% respectively. Not shown in the chart were those who did not report the status of their plans--less than 1%.

The field of appointment or employment is shown only for those who had made a definite postgraduation commitment. Those planning postdoctoral study were more likely to accept their appointment in the same specialty as their PhD (81% did) than those planning employment (59.8%.) The variation among doctoral fields for those going into a field outside that of their PhD is shown in tabular form. The percentages on the postdoctoral side are not as reliable as those on the employment side because of small numbers. For example, the total number of PhD's in the arts and humanities who had accepted a postdoctoral was 84, in mathematics 63, in the social sciences 67. It was on the basis of these numbers that we found 20.2%, 7.9% and 11.9% had taken their postdoctoral in a field other than the doctorate. The small-number problem does not exist in larger fields or fields in which a postdoctoral is more common; such as, the biosciences, 1289, chemistry 807, and physics and astronomy 522. Small numbers do not appear in any of the fields shown on the employment side.

TABLE 1 Number of Doctorate Recipients, by Subfield of Doctorate, FY 1971

TABLE 2 Statistical Profile of Doctorate Recipients, by Field of Doctorate, FY 1971

TABLE 3 Percentage of Doctorate Recipients, by Sources of Support in Graduate School, by Summary Field of Doctorate, FY 1971

TABLE 4 Number of Doctorate Recipients by State and Summary Field of Doctorate; Number of Doctorate-Granting Institutions by State, FY 1971

Table titles and headings are generally self-explanatory, but a few terms need special definition or explanation.

Table 2:

The fields of doctorate which head Table 2 differ from those in the Summary Reports of previous years. The fields are grouped into broader categories and only the largest fields are shown in detail. Refer to Table 1 for fields and subfields included in the broad categories.

"Age at Doctorate"--Q_1 (first quartile): One quarter received the doctorate at this age or younger; Q_2 (second quartile or median): One half received the doctorate at this age or younger; Q_3 (third quartile): Three fourths received the doctorate at this age or younger.

"Percent with Master's"--This indicates the percentage of doctorate recipients in a field who received a master's degree in any field before taking the doctorate.

"Median Time Lapse"--Total Time refers to total calendar time elapsed between year of baccalaureate and year of doctorate; Registered Time refers to the total time registered in a university between baccalaureate and doctorate.

Postgraduation plans of the doctorate recipients are grouped as: Postdoctoral study (fellowship, traineeship, other), Employment (educational institution, industry, etc.), or Unknown. The sum of the columns of percentages totals 100% with allowance for rounding. For example, 8.7% of the earth scientists accepted postdoctoral fellowships, 0.1% held traineeships, and 11.2% received research associateships or some other form of postdoctoral study grant; 76.2% were employed; and 3.4% did not indicate their postdoctoral activities. The percentages listed by type of employer (educational institution, industry, etc.) total to the 76.2% employed.

Percentages showing the distribution of doctorate recipients by work activity and by region of employment are based only on those who were going into employment. They exclude those planning postdoctoral study as described in the categories above.

Table 3:

Data in Table 3 describe sources of financial support during graduate school. The question was answered by 30,203 (95%) of the FY 1971 doctorate recipients. The data in the table would be interpreted as follows: 693 doctorate recipients in the physical sciences reported financial support from NSF fellowships. during graduate school. This number is 12.5% of all the physical science doctorates who answered the question, and it is 38.6% of those in all fields that reported NSF fellowship support. Since students may indicate multiple sources of support, the vertical percentages sum to more than 100%.

Table 4:

Table 4 shows the number of persons receiving a doctorate from universities in each of the 50 states, District of Columbia and Puerto Rico. The last column of the table shows the number of institutions that granted one or more doctorates in any field during FY 1971.

TABLE 1
NUMBER OF DOCTORATE RECIPIENTS, BY SUBFIELDS, FISCAL YEAR 1971

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES
TOTAL ALL FIELDS	**31772**
PHYSICAL SCIENCES	**5730**
MATHEMATICS	1236
ALGEBRA	200
ANALYSIS	262
GEOMETRY	35
LOGIC	31
NUMBER THEORY	33
PROBABILITY,MATH STATISTICS	91
TOPOLOGY	120
COMPUTING THEORY AND PRACTICE	139
APPLIED MATHEMATICS	122
MATHEMATICS,GENERAL	108
MATHEMATICS,OTHER	95
PHYSICS AND ASTRONOMY	1740
ASTRONOMY	59
ASTROPHYSICS	54
ATOMIC AND MOLECULAR PHYSICS	124
ELECTROMAGNETISM	18
MECHANICS	6
ACOUSTICS	20
FLUIDS	20
PLASMA PHYSICS	86
OPTICS	25
THERMAL PHYSICS	17
ELEMENTARY PARTICLES	278
NUCLEAR STRUCTURE	227
SOLID STATE	442
PHYSICS,GENERAL	164
PHYSICS,OTHER	200
CHEMISTRY	2204
ANALYTICAL	173
INORGANIC	297
ORGANIC	808
NUCLEAR	36
PHYSICAL	502
THEORETICAL	66
AGRICULTURAL AND FOOD	58
PHARMACEUTICAL	65
CHEMISTRY,GENERAL	97
CHEMISTRY,OTHER	102
EARTH SCIENCES	550
MINERALOGY,PETROLOGY	47
GEOCHEMISTRY	54
STRATIGR,SEDIMENTATION	66
PALEONTOLOGY	31
STRUCTURAL GEOLOGY	28
GEOPHYSICS	64
GEOMORPHOL,GLACIAL GEOLOGY	23
HYDROLOGY	28
OCEANOGRAPHY	53
METEOROLOGY	60
APPL GEOL,GEOL ENG,ECON GEOL	27
FUEL TECHNOL,PETROL ENG	16
EARTH SCIENCES,GENERAL	28
EARTH SCIENCES,OTHER	25
ENGINEERING	**3495**
AERONAUTICAL AND ASTRONAUTICAL	196
AGRICULTURAL	61
BIOMEDICAL ENGINEERING	71
CIVIL	379
CHEMICAL	390
CERAMIC	43
ELECTRICAL	748
ELECTRONICS	116
INDUSTRIAL	134
NUCLEAR ENGINEERING	119
ENGINEERING MECHANICS	215
ENGINEERING PHYSICS	38
MECHANICAL	398
METALLURGY AND PHYS MET ENG	210
SANITARY	48
MINING ENGINEERING	15
MATERIAL SCIENCE ENGINEERING	52
ENGINEERING,GENERAL	34
ENGINEERING,OTHER	228
LIFE SCIENCES	**5051**
BIOLOGICAL SCIENCES	3391
BIOCHEMISTRY	653
BIOPHYSICS	101
BIOMETRICS,BIOSTATISTICS	42
PHYSIOLOGY,ANIMAL	359
PHYSIOLOGY,PLANT	90
MOLECULAR BIOLOGY	109
ANATOMY	150
CYTOLOGY	54
ENTOMOLOGY	218
MICROBIOLOGY	407
GENETICS	152
EMBRYOLOGY	37
ECOLOGY	119
HYDROBIOLOGY	27
BOTANY	201
ZOOLOGY	354
BIOL SCIENCES,GENERAL	164
BIOL SCIENCES,OTHER	154
AGRICULTURAL SCIENCES	1069
AGRONOMY	191
AGRICULTURAL ECONOMICS	169
ANIMAL HUSBANDRY	94
FOOD SCIENCE AND TECHNOLOGY	77
FISH AND WILDLIFE	61
FORESTRY	84
HORTICULTURE	75
SOILS AND SOIL SCIENCE	56
PHYTOPATHOLOGY	108
AGRICULTURE,GENERAL	2
AGRICULTURE,OTHER	152
MEDICAL SCIENCES	591
MEDICINE AND SURGERY	12
PHARMACY	64
PUBLIC HEALTH	76
VETERINARY MEDICINE	39
HOSPITAL ADMINISTRATION	11
PHARMACOLOGY	173
PATHOLOGY	69
MEDICAL SCIENCES,GENERAL	25
MEDICAL SCIENCES,OTHER	122

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES
SOCIAL SCIENCES (INCL PSYCH)	**5155**
ANTHROPOLOGY	240
SOCIOLOGY	583
ECONOMICS	791
ECONOMETRICS	27
STATISTICS	133
POLITICAL SCIENCE,PUBLIC ADMIN	676
INTERNATIONAL RELATIONS	145
GEOGRAPHY	158
AREA STUDIES	77
URBAN AND REG PLANNING	33
SOCIAL SCIENCES,GENERAL	22
SOCIAL SCIENCES,OTHER	154
PSYCHOLOGY	2116
CLINICAL	616
COUNSELING AND GUIDANCE	144
DEVELOP AND GERONTOL	113
EDUCATIONAL	99
SCHOOL PSYCHOLOGY	70
EXPERIMENTAL	392
COMPARATIVE	15
PHYSIOLOGICAL	130
INDUSTRIAL AND PERSONNEL	68
PERSONALITY	46
PSYCHOMETRICS	36
SOCIAL	171
PSYCHOLOGY,GENERAL	127
PSYCHOLOGY,OTHER	89
ARTS AND HUMANITIES	**4366**
HISTORY,GENERAL AND OTHER	286
HISTORY AND PHILOSOPHY OF SCIENCE	35
HISTORY,AMERICAN	411
HISTORY,EUROPEAN	332
AMERICAN LANG AND LIT	211
ENGLISH LANG AND LIT	1032
GERMAN LANG AND LIT	160
FRENCH LANG AND LIT	223
SPANISH AND PORTUGUESE LANG AND LIT	203
LINGUISTICS	176
ITALIAN LANG AND LIT	13
RUSSIAN LANG AND LIT	44
ALL OTHER MODERN LANGUAGES	85
CLASSICAL LANG AND LIT	100
PHILOSOPHY	366
SPEECH AS A DRAMATIC ART	257
ARCHEOLOGY	18
ART,FINE AND APPLIED	4
ART,HISTORY AND CRITICISM	107
MUSIC	189
ARTS AND HUMANITIES,GENERAL	13
ARTS AND HUMANITIES,OTHER	101
PROFESSIONAL FIELDS	**1402**
BUSINESS ADMINISTRATION	670
RELIGION AND THEOLOGY	253
HOME ECONOMICS	44
JOURNALISM	37
LAW,JURISPRUDENCE	26
LIBRARY AND ARCHIVAL SCIENCE	40
SOCIAL WORK	121
SPEECH AND HEARING SCIENCES	193
PROFESSIONAL FIELDS, OTHER	18

SUBFIELD OF DOCTORATE	NUMBER OF DOCTORATES
EDUCATION	**6403**
ELEMENTARY EDUCATION, GENERAL	281
SECONDARY EDUCATION, GENERAL	219
HIGHER EDUCATION	180
ADULT EDUC AND EXTENSION EDUC	83
FOUNDATIONS,SOCIAL,PHILOS	288
EDUCATIONAL PSYCHOLOGY	434
EDUCATIONAL MEAS AND STATISTICS	135
CURRICULUM AND INSTRUCTION	152
EDUCATIONAL ADMIN AND SUPERVISION	1534
GUIDANCE,COUNS,STUDENT PERSONNEL	707
SPECIAL EDUC,GIFTED,HANDICAPPED,ETC	263
AUDIO-VISUAL MEDIA	111
AGRICULTURE	47
ART	62
BUSINESS	105
ENGLISH	75
FOREIGN LANGUAGE	39
HOME ECONOMICS	46
INDUSTRIAL ARTS	81
MATHEMATICS	131
MUSIC	131
PHYS ED, HEALTH, AND REC	380
SCIENCE EDUCATION	188
SOCIAL SCIENCE EDUCATION	65
VOCATIONAL EDUCATION	86
OTHER TEACHING FIELDS	122
EDUCATION,GENERAL	207
EDUCATION,OTHER	251
OTHER AND UNSPECIFIED	**170**

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

TABLE 2
STATISTICAL PROFILE OF FY 1971 DOCTORATE RECIPIENTS, BY FIELD OF DOCTORATE

	FY 1971 TOTAL	PHYSICS AND ASTRONOMY	CHEMISTRY	EARTH SCIENCES	PHYSICAL SCIENCES	MATHEMATICS	ENGINEERING	EMP FIELDS	BIOCHEMISTRY	BIOLOGICAL SCIENCES	AGRICULTURAL SCIENCES	MEDICAL SCIENCES
NUMBER IN FIELD	31772	1740	2204	550	4494	1236	3495	9225	653	2738	1069	591
MALE %	85.5	96.7	92.1	97.4	94.5	92.2	99.5	96.1	81.6	82.4	97.1	85.9
FEMALE %	14.4	3.2	7.8	2.5	5.4	7.7	.4	3.8	18.3	17.5	2.9	14.0
U.S. CITIZENS %	83.7	79.0	83.3	84.1	81.7	81.4	69.1	76.9	78.4	85.1	64.6	77.3
FOREIGN CITIZENS %	14.4	18.3	15.7	15.4	16.6	17.6	29.8	21.8	19.7	12.8	34.9	17.7
UNKNOWN %	1.8	2.6	1.0	.3	1.5	.8	1.0	1.2	1.8	2.0	.3	4.9
MARRIED %	75.4	71.7	71.8	82.0	73.0	71.8	78.0	74.7	70.6	74.9	83.2	77.5
NOT MARRIED %	21.0	23.9	25.2	16.5	23.7	25.9	19.2	22.3	25.4	21.6	14.1	16.2
UNKNOWN %	3.5	4.2	2.9	1.4	3.2	2.1	2.7	2.9	3.9	3.4	2.6	6.2
AGE AT DOCTORATE												
Q1 YRS	27.8	27.3	26.8	28.2	27.1	26.8	27.8	27.2	27.0	27.6	28.4	28.3
Q2 YRS	30.1	28.7	27.9	30.5	28.4	28.4	29.8	28.8	28.3	29.3	30.8	30.7
Q3 YRS	34.6	30.9	29.8	34.1	30.8	31.2	33.2	31.8	30.3	32.4	35.2	35.6
PERCENT WITH BACC IN SAME FIELD AS DOCT	61.8	77.0	86.1	57.4	79.1	74.3	86.3	81.2	7.9	64.2	70.5	30.6
PERCENT WITH MASTER'S	79.3	64.4	36.6	74.3	52.0	79.2	89.3	69.8	34.1	66.6	90.7	61.5
MEDIAN TIME LAPSE FROM BACC TO DOCT												
TOTAL TIME YRS	7.3	6.7	5.7	7.8	6.2	6.2	7.2	6.6	5.9	6.7	7.8	7.3
REGISTERED TIME YRS	5.6	6.0	5.0	5.9	5.4	5.4	5.3	5.4	5.2	5.5	5.3	5.5
POSTDOCTORAL STUDY %												
FELLOWSHIP	7.6	12.8	21.6	8.7	16.6	3.4	4.5	10.3	43.6	26.1	4.0	16.9
TRAINEESHIP	.6	.2	.8	.1	.5	.1	.2	.3	2.9	2.1	.8	2.2
OTHER	6.7	25.6	20.7	11.2	21.5	3.6	6.3	13.3	22.8	12.6	8.3	7.9
POSTDOCTORAL EMPLOYMENT %												
EDUC INSTITUTION	55.7	24.2	17.4	37.8	22.5	73.1	27.6	31.2	10.4	37.6	46.9	36.7
INDUSTRY/BUSINESS	9.2	12.8	24.8	16.9	19.2	7.2	37.0	24.4	5.9	3.3	10.4	10.3
GOVERNMENT	7.3	7.9	4.5	14.7	7.1	3.5	11.9	8.4	3.3	7.2	14.5	8.6
NONPROFIT	2.4	1.4	1.1	1.2	1.2	.8	2.0	1.5	1.3	1.2	1.2	3.0
OTHER & UNKN	3.9	5.1	2.7	5.6	4.0	2.1	5.7	4.4	1.8	3.3	10.0	4.5
POSTDOCT STATUS UNKN %	6.1	9.5	6.0	3.4	7.0	5.7	4.5	5.9	7.6	6.2	3.6	9.6
POSTDOCT WORK ACTIVITY %												
R & D	23.5	49.6	57.6	40.9	51.7	22.6	59.0	50.2	57.3	33.4	51.9	42.5
TEACHING	54.0	36.7	30.8	41.9	34.8	70.7	25.8	36.7	30.0	53.2	28.4	39.3
ADMINISTRATION	9.4	1.7	1.6	2.8	1.9	.9	2.2	1.9	1.3	2.5	3.7	5.3
PROF. SERVICES	6.5	2.1	1.8	4.5	2.4	1.9	4.9	3.5	7.3	3.2	4.3	6.6
OTHER	1.5	1.6	2.0	5.2	2.4	.7	2.2	2.0	.6	1.3	3.6	1.0
ACTIVITY UNKNOWN	4.9	8.1	5.9	4.5	6.5	2.9	5.6	5.5	3.3	6.0	7.8	5.0
POSTDOCT REGION OF EMPLOYMENT %												
NEW ENGLAND	5.3	7.0	5.4	5.7	6.0	6.4	4.6	5.4	4.0	4.2	2.7	4.5
MIDDLE ATLANTIC	13.5	14.3	19.0	10.0	15.7	13.4	14.4	14.7	22.6	9.7	3.6	12.5
EAST NO CENTRAL	14.9	10.0	17.2	7.1	12.8	13.9	12.5	12.8	17.3	10.9	9.9	12.3
WEST NO CENTRAL	6.1	2.5	4.0	3.3	3.3	5.6	3.5	3.8	4.6	6.2	7.5	8.5
SOUTH ATLANTIC	11.9	12.9	12.2	9.5	12.0	10.8	10.2	11.0	11.3	15.0	10.6	15.5
EAST SO CENTRAL	4.1	3.8	4.2	2.3	3.8	4.3	3.4	3.7	1.3	4.1	4.9	2.9
WEST SO CENTRAL	6.0	5.4	4.8	10.9	6.1	6.9	6.2	6.3	3.3	6.7	6.5	5.3
MOUNTAIN	4.6	4.5	2.2	10.7	4.5	4.4	5.0	4.7	2.6	3.5	4.2	2.4
PACIFIC & INSULAR	10.3	8.6	5.9	17.6	8.9	9.2	11.4	10.1	8.0	11.0	7.7	9.0
FOREIGN	7.7	8.7	6.1	10.0	7.7	6.4	9.1	8.2	12.6	9.3	24.1	9.3
REGION UNKNOWN	15.1	21.8	18.5	12.6	18.7	18.1	19.4	18.9	12.0	19.1	17.8	17.3

Refer to explanatory notes on page 4.

TABLE 2. CONTINUED

LIFE SCIENCES	PSYCHOLOGY	ECONOMICS	ANTHROPOLOGY & SOCIOLOGY	POLIT SCI, PUBLIC ADMIN	OTHER SOCIAL SCIENCES	SOCIAL SCIENCES	HISTORY	ENG AND AMER LANG & LIT	FOREIGN LANG & LIT	OTHER ARTS & HUMANITIES	ARTS & HUMANITIES	PROFESSIONAL FIELDS	EDUCATION	OTHER OR UNSPECIFIED
5051	2116	791	823	676	749	5155	1064	1243	1004	1055	4366	1402	6403	170
85.8	75.1	91.1	78.3	87.7	89.8	82.2	87.2	69.1	65.5	81.5	75.7	87.5	79.0	87.0
14.1	24.8	5.8	21.6	12.2	10.1	17.7	12.7	30.8	34.4	18.4	24.2	12.4	20.9	12.9
78.9	93.1	72.5	83.9	86.3	78.9	85.5	90.7	93.4	80.6	89.6	88.9	84.2	93.7	28.2
18.9	5.7	25.5	13.8	10.9	19.7	12.7	7.9	5.4	17.4	7.3	9.4	13.5	5.4	2.3
2.0	1.0	1.9	2.1	2.6	1.3	1.6	1.2	1.0	1.8	2.4	1.6	2.2	.8	69.4
76.4	73.7	76.6	74.6	73.9	76.9	74.8	71.5	71.7	68.7	69.0	70.3	75.7	80.8	19.4
19.9	23.1	19.3	21.0	19.8	19.8	21.3	25.0	25.3	27.8	26.0	26.0	19.7	16.9	7.0
3.6	3.0	4.0	4.3	6.2	3.2	3.8	3.3	2.9	3.3	4.9	3.6	4.4	2.2	73.5
27.7	27.1	27.8	28.6	28.3	28.7	27.8	28.6	28.2	29.2	28.8	28.7	29.7	31.8	28.5
29.6	28.8	30.1	31.4	30.9	31.9	30.1	31.2	31.3	32.5	32.4	31.8	33.9	36.8	32.2
32.9	32.8	34.2	36.3	35.0	36.5	34.7	35.8	36.1	38.8	37.8	37.0	40.0	42.6	37.7
54.3	68.9	59.0	52.0	56.5	23.6	56.5	66.9	77.2	57.2	57.0	[illegible]	40.2	46.1	77.0
66.9	75.7	74.4	83.9	84.6	89.4	80.0	90.8	89.3	83.0	82.3	[illegible]	[illegible]	96.5	27.0
6.8	6.2	7.2	8.2	8.2	8.8	7.2	8.6	8.6	9.0	9.5	[illegible]	10.5	12.8	8.3
5.4	5.2	5.3	6.0	5.8	5.8	5.5	6.2	6.0	6.0	6.0	[illegible]	6.0	6.2	6.0
22.6	7.9	.8	2.0	1.9	1.4	4.2	1.8	.6	1.5	1.7	1.4	.5	.7	.0
1.9	2.0	.1	.0	.3	.4	.9	.0	.3	.1	.0	.1	.2	.2	.5
12.5	4.0	1.6	1.8	1.3	1.4	2.6	1.2	.8	2.3	1.7	1.4	1.2	1.0	1.1
35.9	50.6	68.0	79.1	75.1	69.9	63.8	82.9	86.1	81.5	80.5	82.9	72.1	79.1	16.4
6.0	3.9	4.0	1.2	1.7	4.1	3.2	.5	1.1	.9	2.2	1.2	4.9	1.2	3.5
8.4	15.1	11.0	3.0	4.1	9.8	10.3	2.6	.3	1.3	.4	1.1	6.4	6.7	2.3
1.4	7.5	3.1	2.5	2.5	2.5	4.6	1.7	.2	1.2	2.6	1.4	5.9	2.8	.5
4.7	3.3	4.6	3.8	4.4	4.0	3.8	2.0	2.3	2.6	1.2	2.0	2.9	4.3	.5
6.2	5.2	6.4	6.3	8.4	6.1	6.1	6.7	8.0	8.1	9.2	8.0	5.5	3.5	74.7
41.7	18.2	25.5	16.6	8.4	14.1	17.2	3.9	.8	3.5	2.9	2.7	7.8	7.5	22.5
42.4	42.0	64.5	74.5	76.9	68.1	59.7	86.0	91.6	89.4	87.9	88.8	70.1	48.1	60.0
3.2	3.6	3.2	2.0	6.8	6.6	4.1	3.0	1.6	.7	2.9	2.0	8.8	29.0	5.0
4.2	31.8	1.5	.9	1.3	3.5	13.3	.5	.3	.4	2.1	.8	7.8	9.0	7.5
1.9	1.1	1.1	.9	1.3	3.1	1.4	1.6	.7	.9	1.7	1.2	1.9	.9	2.5
6.3	3.0	4.0	4.8	5.0	4.4	3.9	4.8	4.8	4.8	2.2	4.2	3.4	5.3	2.5
3.7	6.7	5.8	6.0	5.8	4.7	6.0	7.5	8.3	7.7	8.2	7.9	4.7	3.8	10.0
8.8	16.8	13.3	14.6	15.1	12.8	15.0	14.3	16.3	14.1	14.1	14.8	10.7	13.0	20.0
11.1	15.3	11.8	16.6	14.7	14.6	14.8	14.6	16.7	15.6	18.8	16.4	18.1	17.3	15.0
6.8	5.2	5.1	7.1	6.7	4.8	5.7	6.0	5.9	6.5	6.6	6.2	6.1	8.5	7.5
13.5	11.6	18.7	8.1	11.2	14.4	12.5	12.8	9.9	8.7	9.7	10.3	14.3	12.2	10.0
4.0	3.0	3.4	5.2	3.8	3.1	3.6	4.4	6.0	2.6	3.4	4.2	4.7	4.9	2.5
6.3	5.6	5.4	4.7	6.5	4.2	5.3	6.5	4.4	4.2	5.5	5.1	7.4	6.3	7.5
3.5	3.5	4.0	5.1	3.7	5.3	4.1	3.6	3.5	3.1	4.3	3.6	5.0	5.7	.0
9.5	12.0	8.4	12.8	12.2	12.6	11.7	8.7	10.0	13.0	9.8	10.3	10.8	9.8	12.5
14.1	5.1	15.8	10.4	7.5	9.7	8.7	6.8	5.8	8.4	5.5	6.6	8.8	3.8	2.5
18.1	14.6	7.7	8.9	12.2	13.4	12.0	14.3	12.5	15.6	13.5	13.9	8.9	14.2	12.5

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

TABLE 3
PERCENTAGE OF FY 1971 DOCTORATE RECIPIENTS BY SOURCES OF SUPPORT IN GRADUATE SCHOOL BY SUMMARY FIELDS

SOURCES OF SUPPORT IN GRADUATE SCHOOL		DOCTORATE RECIPIENTS BY FIELD: PHYSICAL SCIENCES	ENGINEERING	LIFE SCIENCES	SOCIAL SCIENCES	ARTS AND HUMANITIES	PROF. FIELDS	EDUCATION	TOTAL
NSF FELLOWSHIP	N	693	259	285	231	33	9	284	1794
	V%	12.5	7.6	5.9	4.7	.8	.7	4.6	5.9
	H%	38.6	14.4	15.9	12.9	1.8	.5	15.8	99.9
NSF TRAINEESHIP	N	710	437	307	178	10	3	24	1669
	V%	12.8	12.9	6.4	3.6	.2	.2	.4	5.5
	H%	42.5	26.2	18.4	10.7	.6	.2	1.4	100.0
NIH FELLOWSHIP	N	220	41	545	464	3	57	34	1364
	V%	4.0	1.2	11.3	9.5	.1	4.3	.6	4.5
	H%	16.1	3.0	40.0	34.0	.2	4.2	2.5	100.0
NIH TRAINEESHIP	N	109	63	1126	425	8	42	28	1801
	V%	2.0	1.9	23.3	8.7	.2	3.2	.5	6.0
	H%	6.1	3.5	62.5	23.6	.4	2.3	1.6	100.0
AEC FELLOWSHIP	N	82	64	42	5			2	195
	V%	1.5	1.9	.9	.1	.0	.0	.0	.6
	H%	42.1	32.8	21.5	2.6	.0	.0	1.0	100.0
NASA TRAINEESHIP	N	453	299	99	42	3	1	3	900
	V%	8.2	8.8	2.0	.9	.1	.1	.0	3.0
	H%	50.3	33.2	11.0	4.7	.3	.1	.3	99.9
NDEA FELLOWSHIP	N	643	307	443	683	836	116	801	3829
	V%	11.6	9.1	9.2	13.9	20.4	8.7	13.1	12.7
	H%	16.8	8.0	11.6	17.8	21.8	3.0	20.9	99.9
GI BILL	N	238	199	293	432	403	137	996	2698
	V%	4.3	5.9	6.1	8.8	9.8	10.3	16.2	8.9
	H%	8.8	7.4	10.9	16.0	14.9	5.1	36.9	100.0
OTHER FEDERAL SUPPORT	N	367	335	473	723	243	234	713	3088
	V%	6.6	9.9	9.8	14.7	5.9	17.6	11.6	10.2
	H%	11.9	10.8	15.3	23.4	7.9	7.6	23.1	100.0
UNIVERSITY FELLOWSHIP	N	959	554	574	1121	1545	312	683	5748
	V%	17.3	16.3	11.9	22.9	37.8	23.5	11.1	19.0
	H%	16.7	9.6	10.0	19.5	26.9	5.4	11.9	100.0
WOODROW WILSON FELLOWSHIP	N	69	2	14	154	360	13	9	621
	V%	1.2	.1	.3	3.1	8.8	1.0	.1	2.1
	H%	11.1	.3	2.3	24.8	58.0	2.1	1.4	100.0
OTHER NATIONAL FELLOWSHIP	N	94	66	105	246	261	63	160	995
	V%	1.7	1.9	2.2	5.0	6.4	4.7	2.6	3.3
	H%	9.4	6.6	10.6	24.7	26.2	6.3	16.1	99.9
TEACHING ASSISTANTSHIP	N	3663	1272	1788	2525	2519	558	2007	14332
	V%	66.3	37.5	37.0	51.5	61.6	42.0	32.7	47.5
	H%	25.6	8.9	12.5	17.6	17.6	3.9	14.0	100.1
RESEARCH ASSISTANTSHIP	N	3123	1877	2077	1872	428	274	1208	10859
	V%	56.5	55.4	43.0	38.2	10.5	20.6	19.7	36.0
	H%	28.8	17.3	19.1	17.2	3.9	2.5	11.1	99.9
EDUC. FUNDS OF INDUSTRY	N	352	374	93	110	63	85	148	1225
	V%	6.4	11.0	1.9	2.2	1.5	6.4	2.4	4.1
	H%	28.7	30.5	7.6	9.0	5.1	6.9	12.1	99.9
OTHER INSTITUTION FUNDS	N	306	239	334	678	553	208	672	2990
	V%	5.5	7.1	6.9	13.8	13.5	15.7	11.0	9.9
	H%	10.2	8.0	11.2	22.7	18.5	7.0	22.5	100.1
OWN EARNINGS	N	1005	888	976	1928	1781	667	3757	11002
	V%	18.2	26.2	20.2	39.3	43.5	50.2	61.3	36.4
	H%	9.1	8.1	8.9	17.5	16.2	6.1	34.1	100.0
SPOUSE'S EARNINGS	N	696	384	717	1084	1089	300	1545	5815
	V%	12.6	11.3	14.8	22.1	26.6	22.6	25.2	19.3
	H%	12.0	6.6	12.3	18.6	18.7	5.2	26.6	100.0
FAMILY CONTRIBUTIONS	N	218	163	213	463	546	109	359	2071
	V%	3.9	4.8	4.4	9.4	13.3	8.2	5.9	6.9
	H%	10.5	7.9	10.3	22.4	26.4	5.3	17.3	100.1
BORROWINGS	N	335	248	337	638	749	230	1104	3641
	V%	6.1	7.3	7.0	13.0	18.3	17.3	18.0	12.1
	H%	9.2	6.8	9.3	17.5	20.6	6.3	30.3	100.0
OTHER	N	216	193	242	360	293	144	450	1898
	V%	3.9	5.7	5.0	7.3	7.2	10.8	7.3	6.3
	H%	11.4	10.2	12.8	19.0	15.4	7.6	23.7	100.1
UNDUPLICATED TOTAL	N	5528	3389	4830	4904	4092	1329	6131	30203

Refer to explanatory note on page 5.

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

TABLE 4
NUMBER OF FY 1971 DOCTORATE RECIPIENTS BY STATE AND SUMMARY FIELD AND NUMBER OF INSTITUTIONS

STATE OF DOCTORAL INSTITUTION	NUMBER OF DOCTORATE RECIPIENTS BY FIELD									NO. OF DOCT. INST.
	PHYSICAL SCIENCES	ENGI-NEERING	LIFE SCIENCES	SOCIAL SCIENCES	ARTS AND HUMANITIES	PROF. FIELDS	EDUCA-TION	OTHER & UNSPEC.	TOTAL	
U.S. TOTAL	5730	3495	5051	5155	4366	1402	6403	170	31772	234
ALABAMA	41	18	43	29	12	18	94		255	2
ALASKA	11		1						12	1
ARIZONA	73	58	46	58	20	18	111		384	2
ARKANSAS	12	8	16	11	11	13	44		115	1
CALIFORNIA	645	497	519	532	421	144	443	119	3320	21
COLORADO	101	71	74	96	69	21	213		645	5
CONNECTICUT	109	42	68	75	151	24	45	1	515	3
DELAWARE	24	15	16	8	9		3		75	1
DIST. OF COL.	93	23	50	132	91	72	101		562	5
FLORIDA	110	44	88	112	61	25	221		661	4
GEORGIA	62	48	65	71	46	40	113	2	447	6
HAWAII	16	4	31	20	7				78	1
IDAHO	11	5	9	5	1		26		57	1
ILLINOIS	361	234	298	394	298	127	325		2037	9
INDIANA	187	134	226	166	185	60	366	3	1327	5
IOWA	137	73	173	75	86	22	133	1	700	2
KANSAS	68	34	98	55	44	14	56		369	2
KENTUCKY	35	10	43	27	20	1	23		159	2
LOUISIANA	67	22	82	60	62	24	44	1	362	3
MAINE	3		6	3	4		9		25	1
MARYLAND	111	65	108	87	76	3	104	1	555	2
MASSACHUSETTS	416	215	208	326	277	104	253		1799	13
MICHIGAN	247	129	282	307	212	89	493	2	1761	6
MINNESOTA	61	80	123	141	91	23	92		611	1
MISSISSIPPI	10	9	53	37	14	9	93		225	3
MISSOURI	103	73	110	112	90	38	118		644	5
MONTANA	17	11	23	5			20		76	2
NEBRASKA	36	5	26	31	37	7	81		223	2
NEVADA	10		1	5	3				19	1
NEW HAMPSHIRE	20	6	25	3					54	2
NEW JERSEY	138	94	63	70	111	14	51	1	542	6
NEW MEXICO	48	29	7	11	33		54		182	3
NEW YORK	641	340	418	641	566	126	617	13	3362	30
NORTH CAROLINA	76	66	194	154	121	24	88		723	5
NORTH DAKOTA	27		34	9			49		119	2
OHIO	236	165	157	194	201	76	374	6	1409	10
OKLAHOMA	34	76	103	46	27	18	156		460	3
OREGON	73	17	123	111	41	26	165	4	560	3
PENNSYLVANIA	341	233	179	244	212	76	347	10	1642	16
RHODE ISLAND	70	25	39	22	50	1			207	3
SOUTH CAROLINA	33	19	17	17	18	4	16		124	3
SOUTH DAKOTA	4	1	15	12			18		50	3
TENNESSEE	74	50	80	95	55	11	113		478	4
TEXAS	256	193	220	180	138	56	268	3	1314	12
UTAH	66	33	69	58	35	5	127		393	3
VERMONT	10	1	9	4	4				28	2
VIRGINIA	72	59	79	40	54	2	61		367	4
WASHINGTON	108	72	109	106	93	19	67		574	2
WEST VIRGINIA	10	14	30	12	6		29		101	1
WISCONSIN	188	71	176	140	197	48	147	3	970	3
WYOMING	27	4	19	6	1		32		89	1
PUERTO RICO	1				5				6	1

Refer to explanatory note on page 5.

SOURCE: NRC, Office of Scientific Personnel, Doctorate Records File

NSF Form 558 June 70
Budget Bureau No. 99R 0054
Approval Expires June 1972

SURVEY OF EARNED DOCTORATES

This form is to be returned to the GRADUATE DEAN, for forwarding to ..... Manpower Studies Branch, Office of Scientific Personnel, National Research Council, 2101 Constitution Avenue Washington, D. C. 20418

Please print or type.

A. Name in full: ..... (9-30)
(Last Name) (First Name) (Middle Name)

B. U.S. Social Security Number: CR ( ) Cross Reference:
(32-40) Maiden name or .....
___ ___ ___ - ___ ___ - ___ ___ ___ ___ former name legally changed

C. Permanent address through which you could always be reached: (Care of, if applicable) .....
..... (Number) (Street) (City)
..... (State) (Or Country if not U.S.) ..... (Zip Code)

D. Date of birth: ..... Place of birth: .....
(41-45) (Month) (Day) (Year) (46-47) (State) (Or Country if not U.S.)

E. Sex: 1 ☐ Male 2 ☐ Female (48)

F. Marital status: 1 ☐ Married 2 ☐ Not married (including widowed, divorced) (49)

G. Citizenship: 0 ☐ U.S. native (11) ☐ U.S. naturalized
1 ☐ Non-U.S., Immigrant (Permanent Resident) 3 ☐ Non-U.S., Non-immigrant (Temporary Resident) (50)

If Non-U.S., indicate country of present citizenship ..... (51-52)

H. Number of dependents: Do not include yourself. (Dependent = someone related to you and receiving at least one half of his support from you) ..... (53)

EDUCATION

I. High school last attended: .....
(School Name) (City) (State) (54-59)

Approximate size of graduating class: ..... (60-63)

Type of school: 0 ☐ Public 1 ☐ Private, denominational 2 ☐ Private, non-denominational (64)

Year of graduation from high school: ..... (65-66)

J. List in the table below all collegiate and graduate institutions you have attended including 2-year colleges. List chronologically, and include your doctoral institution as the last entry.

Institution Name	Location	Years Attended		Major Field		Minor Field	Degree (if any)		
				Use Specialties List					
		From	To	Name	Number	Number	Type of Degree	Granted Mo.	Granted Yr.

K. Enter below the title of your doctoral dissertation and the most appropriate classification number and field, selected from the accompanying Specialties List.

Title: .....
.....
.....

Classify using Specialties List
Number Name of field
....
(62-64)

L. Name the department (or interdisciplinary committee, center, institute, etc.) of the university which supervised your doctoral program: ..... (65-70)

M. Name of your thesis adviser: (please print) ..... (12-29)
(Last Name) (First Name) (Middle Initial)

continued on next page

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SURVEY OF EARNED DOCTORATES, Cont.

N. In the space in front of each source of support, indicate the approximate number of semesters you were supported by each of the listed sources during graduate school.

30 ___ NSF Fellowship
31 ___ NSF Traineeship
32 ___ NIH Fellowship
33 ___ NIH Traineeship
34 ___ AEC Fellowship
35 ___ NASA Traineeship
36 ___ NDEA Fellowship
37 ___ Other Federal support (specify) .....
38 ___ Woodrow Wilson Fellowship
39 ___ Other U.S. national fellowship (specify) .....
40 ___ GI Bill
41 ___ University fellowship
42 ___ Teaching Assistantship
43 ___ Research Assistantship
44 ___ Educational fund of industrial or business firm
45 ___ Other institutional funds (specify) .....
46 ___ Own earnings
47 ___ Spouse's earnings
48 ___ Family contributions
49 ___ Loans
50 ___ Other (specify) .....

O. Please check the space which most fully describes your status during the year immediately preceding the doctorate.

0 ☐ Held fellowship
1 ☐ Held assistantship
2 ☐ Held own research grant
3 ☐ Not employed
4 ☐ Part-time employed

Full-time Employed in: (Other than 0, 1, 2)

5 ☐ College or university, teaching
6 ☐ College or university, non-teaching
7 ☐ Elem. or sec. school, teaching
8 ☐ Elem. or sec. school, non-teaching
9 ☐ Industry or business
(11) ☐ Other (specify) .....
(12) ☐ Any other (specify) ..... (51)

P. How many years (full-time equivalent basis) of professional work experience did you have prior to the doctorate?

(include assistantships as professional experience) ..... (52-53)

Q. U.S. draft status:

0 ☐ Veteran, or in service; dates of active duty from ..... (year) to ..... (year)
1 ☐ Non-veteran; classification: .....
2 ☐ Reserve
3 ☐ Not applicable (54-58)

POSTGRADUATION PLANS

R. How well defined are your postdoctoral plans?

0 ☐ Have signed contract or made definite commitment
1 ☐ Am negotiating with a specific organization, or more than one
2 ☐ Am seeking appointment but have no specific prospects
3 ☐ Other (specify) ..... (59)

S. After graduation what are your immediate postdoctoral plans?

0 ☐ On a postdoctoral fellowship?
1 ☐ On a postdoctoral research associateship?
2 ☐ On a traineeship?
3 ☐ Employed? (other than 0, 1, 2)
4 ☐ Military service?
5 ☐ Other (specify) ..... (60)
8 ☐ Other study (specify) .....

If you checked 0, 1, 2, or 8, please answer "T" and omit "U"

If you checked 3, 4, or 5, please answer "U" and omit "T"

T. If you plan to be on a postdoctoral fellowship, associateship, or traineeship —

What is the purpose?

0 ☐ To add experience in your present field (61)
1 ☐ To change to a field different from that of the doctorate (Please enter number of new field from Specialties List .....) (62-64)

What is the source of support?

0 ☐ U.S. Government
1 ☐ College or university
2 ☐ Private foundation
3 ☐ Nonprofit, other than private foundation
4 ☐ Other (specify) ..... (65)

U. If you plan to be employed, enter military service, or other —

What will be the type of employer?

0 ☐ College or university
1 ☐ Elem. or sec. school
2 ☐ U.S. government
3 ☐ State or local government
4 ☐ Nonprofit organization
5 ☐ Industry or business
6 ☐ Self-employed
8 ☐ National laboratory
9 ☐ Foreign government
7 ☐ Other (specify) ..... (70)

Indicate primary work activity with "1" in appropriate box; secondary work activity (if any) with "2" in appropriate box.

0 ☐ Research and development
1 ☐ Teaching
2 ☐ Administration
3 ☐ Professional services to individuals
5 ☐ Other (specify) ..... (71) (79)

In what field will you be working?

Please enter number from Specialties List ..... (72-74)

V. What is the name and location of the organization with which you will be associated?

..... (Name)

..... (City, State) (Or Country if not U.S.) (66-69)

BACKGROUND INFORMATION

W. Please indicate, by circling the highest grade attained, the education of

		Elementary school							High school				College				Graduate			
your father:	none	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	MA, MD	PhD	Postdoctoral (77)
your mother:	none	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	MA, MD	PhD	Postdoctoral (78)
		1			2			3		4			5	6			7	8	9	(11)

Signature ..... Date completed .....

SPECIALTIES LIST

MATHEMATICS

000 — Algebra
010 — Analysis & Functional Analysis
020 — Geometry
030 — Logic
040 — Number Theory
050 — Probability, Math. Statistics (see also 544, 670, 725, 727, 920)
060 — Topology
080 — Computing Theory & Practice
085 — Applied Mathematics
098 — Mathematics, General
099 — Mathematics, Other*

ASTRONOMY

101 — Astronomy
102 — Astrophysics

PHYSICS

(Note: Theoretical scientists mark "T" on questionnaire following code no.)
110 — Atomic & Molecular Physics
120 — Electromagnetism
130 — Mechanics
132 — Acoustics
134 — Fluids
135 — Plasma Physics
136 — Optics
138 — Thermal Physics
140 — Elementary Particles
150 — Nuclear Structure
160 — Solid State
198 — Physics, General
199 — Physics, Other*

CHEMISTRY

200 — Analytical
210 — Inorganic
220 — Organic
230 — Nuclear
240 — Physical
250 — Theoretical
260 — Agricultural & Food
270 — Pharmaceutical
298 — Chemistry, General
299 — Chemistry, Other*

BIOCHEMISTRY

540 — Biochemistry

EARTH SCIENCES

301 — Mineralogy, Petrology
305 — Geochemistry
310 — Stratigraphy, Sedimentation
320 — Paleontology
330 — Structural Geology
340 — Geophysics (Solid Earth & Atmospheric)
350 — Geomorph., Glacial Geology
360 — Hydrology
370 — Oceanography
380 — Meteorology
391 — Applied Geol., Geol. Engr., Econ. Geol.
395 — Fuel Technology, Petrol. Engr.
398 — Earth Sciences, General
399 — Earth Sciences, Other*

ENGINEERING

400 — Aeronautical & Astronautical
410 — Agricultural
415 — Biomedical Engineering
420 — Civil
430 — Chemical
435 — Ceramic
440 — Electrical
445 — Electronics
450 — Industrial
455 — Nuclear Engineering
460 — Engineering Mechanics
465 — Engineering Physics
470 — Mechanical
475 — Metallurgy & Phys. Met. Engr.
480 — Sanitary
486 — Mining
497 — Materials Science Engr.
498 — Engineering, General
499 — Engineering, Other*

AGRICULTURAL SCIENCES

500 — Agronomy
501 — Agricultural Economics
502 — Animal Husbandry
503 — Food Science & Technology
504 — Fish & Wildlife
505 — Forestry
506 — Horticulture
507 — Soils & Soil Science
508 — Agriculture, General
509 — Agriculture, Other*

MEDICAL SCIENCES

510 — Medicine & Surgery
511 — Pharmacy
512 — Public Health
513 — Veterinary Medicine
514 — Hospital Administration
518 — Medical Sciences, General
519 — Medical Sciences, Other*

BIOLOGICAL SCIENCES

520 — Anatomy
522 — Cytology
524 — Embryology
530 — Physiology, Animal
532 — Physiology, Plant
534 — Pathology
536 — Pharmacology
542 — Biophysics
544 — Biometrics, Biostatistics (see also 050, 670, 725, 727, 920)
550 — Botany
552 — Phytopathology
560 — Ecology
562 — Hydrobiology
564 — Microbiology & Bacteriology
570 — Genetics
580 — Zoology
582 — Entomology
584 — Molecular Biology
598 — Biological Sciences, General
599 — Biological Sciences, Other*

PSYCHOLOGY

600 — Clinical
610 — Counseling & Guidance
620 — Developmental & Gerontological
630 — Educational
635 — School Psychology
641 — Experimental
642 — Comparative
643 — Physiological
650 — Industrial & Personnel
660 — Personality
670 — Psychometrics (see also 050, 544, 725, 727, 920)
680 — Social
698 — Psychology, General
699 — Psychology, Other*

SOCIAL SCIENCES

700 — Anthropology
710 — Sociology
720 — Economics
725 — Econometrics (see also 050, 544, 670, 727, 920)
727 — Statistics
740 — Geography
745 — Area Studies*
750 — Political Science, Public Administration
755 — International Relations
760 — Social Work
770 — Urban & Reg. Planning
798 — Social Sciences, General
799 — Social Sciences, Other*

ARTS & HUMANITIES

801 — Art, Applied
802 — Art, History & Criticism
815 — Speech as a Dramatic Art (see also 885)
830 — Music
705 — Archeology
731 — History, American
732 — History, European
733 — History, Other*
734 — History & Philosophy of Science

LANGUAGES & LITERATURE

811 — American
812 — English
821 — German
823 — French
824 — Spanish & Portuguese
826 — Italian
827 — Russian
822 — Classical*
829 — Other Languages*
825 — Linguistics
840 — Philosophy
888 — Arts & Humanities, General
889 — Arts & Humanities, Other*

EDUCATION

900 — Foundations: Social, Philosoph.
910 — Educational Psychology
920 — Educ. Meas. & Stat.
930 — Educ. Admin. & Superv.
940 — Guid., Couns., & Student Pers.
950 — Special Education (Speech, Gifted, Handicapped, etc.)
960 — Audio-Visual Media

TEACHING FIELDS

970 — Agriculture
972 — Art
974 — Business
976 — English
978 — Foreign Language
980 — Home Economics
982 — Industrial Arts
984 — Mathematics
986 — Music
988 — Phys. Ed., Health, & Recreation
990 — Science Educ.
992 — Social Science Educ.
994 — Vocational Educ.
996 — Other Fields*
908 — Elementary Educ., General
909 — Secondary Educ., General
998 — Education, General
999 — Education, Other*

OTHER PROFESSIONAL FIELDS

850 — Business Administration
855 — Home Economics
860 — Journalism
865 — Law, Jurisprudence
870 — Library & Archival Science
880 — Religion & Theology
885 — Speech & Hearing Sciences
897 — Professional Field, Other*

899 — OTHER FIELDS*

* **Identify the specific field in the space provided on the questionnaire.**